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⑬磁性体を有する前掛け枠付き眼鏡

⑭実 願 昭41-35917  
⑮出 願 昭41(1966)4月20日  
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図面の簡単な説明

図は本案磁性体を有する前掛け枠付き眼鏡を示すもので、第1図は眼鏡本体の斜視図、第2図は前掛けグラスを示す斜視図、第3図は眼鏡本体に前掛けグラスを組み合わせた実施態様を示す斜視図、第4図は部品の金具を示す斜視図、第5図は同じく側面図である。

考案の詳細な説明

この考案は眼鏡の本体に前掛けグラスを簡易な手段で着脱自在に取り付けられる眼鏡に係わるものである。

一般に使用している眼鏡の本体にサングラス、減光グラス等を着脱自在に取り付けることは従来行なわれている。しかしこれらは前掛け用グラスに眼鏡本体に取り付けるための枠体が具備してあるため、使用している眼鏡をその都度取りはずして該前掛け用グラスを眼鏡本体に着脱しなければならない。

本案は眼鏡本体の前面の眼鏡枠に具備した金具及び前掛けグラスに具備した磁性体によつてかかる点を是正して、簡易な手段によつて着脱し得る

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ようにしたものである。

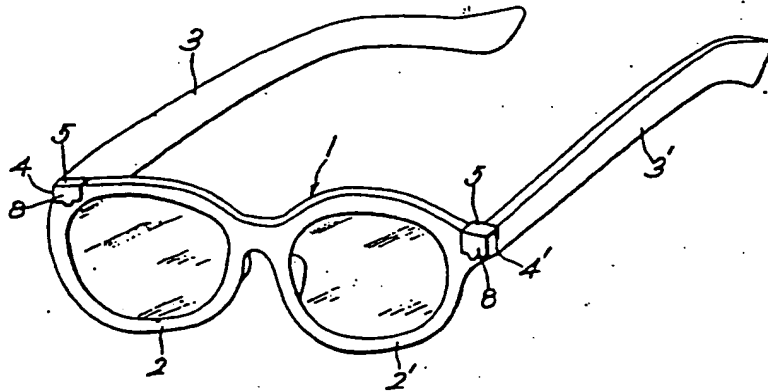
次に本案を図について説明すると、眼鏡本体1の眼鏡枠2、2'と耳掛け棒3、3'の支点即ち蝶番部4、4'の近くに、第4図及び第5図に示す金具5を設けるものであるが該金具5は凹状に成形されていて裏側8の適宜位置にボルト7が設けられ、又表側8はほぼ平らな形状をしている。そしてこれを蝶番部4、4'付近に着脱自在に取り付ける。又前掛けグラス9は第2図に示す如く眼鏡本体1に取り付けた前記の金具5に対向する位置即ちグラス枠12、12'の両側に板状の磁性体10、10'を具備しているものである。そして、かかる眼鏡本体と前掛けグラスとを組み合わせ使用する。

この考案は凹状の金具5の溝11を眼鏡本体1の眼鏡枠2、2'と耳掛け棒3、3'の蝶番部4、4'の近くに嵌設し、裏側のボルト7で止め付けかつ前掛けグラス9を、その磁性体10、10'の磁力によつて該金具5に磁着するものである。而して本案によれば眼鏡を使用している時、サングラス或いは減光グラス等の前掛けグラス9を随時眼鏡本体1に自在に取り付けたり取り外したりすることができるので頗る便利である。又、本案の金具5はボルト7によつて眼鏡本体1の眼鏡枠2、2'に取り付けてあるので取りはずしが簡単にできるものである。

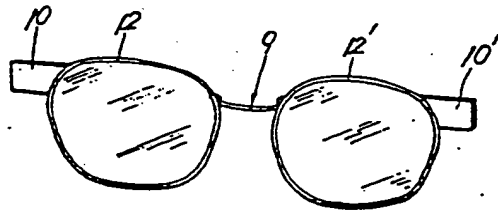
実用新案登録請求の範囲

眼鏡本体1の眼鏡枠2、2'と耳掛け棒3、3'との蝶番部4、4'の近くに、裏側の適宜位置にボルト7を設けて着脱自在とした凹状の金具5を取り付け、該金具5の表側にグラス枠12、12'の両側に板状の磁性体10、10'を具備した前掛けグラス9を着脱自在に磁着するようにしたことを特徴とする前掛けグラス付き眼鏡。

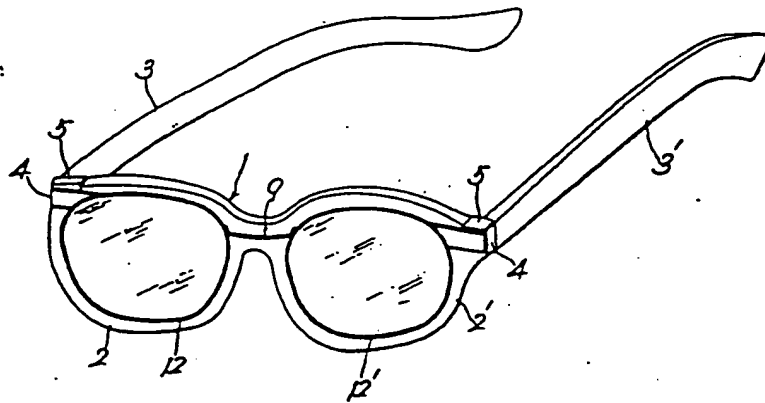
第1図



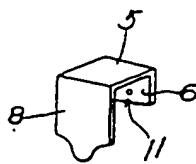
第2図



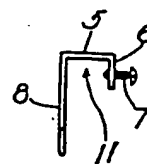
第3図



第4図



第5図



Japan Utility Patent Publication No. Sho 44-15392

Application No. Sho 41-35917

Application Date: April 20, 1966

Inventor: Shigemasa Koyanagi, et al.

Applicant: Kinpodo Co. Ltd.

Agent: Kaku Kato

#### Name of the Invention

An Eyeglass Frame with Detachable Attachment Glasses Comprising Magnets

#### Background of the Invention

##### Technical Field

The present invention relates to an eyeglass frame which provides a simple means to attach and detach an attachment glass in front of it.

##### Background Art

Generally, attachment glasses such as a pair of sunglasses or brightness- or glare-reducing glasses (Note 1) are attached to and detached from eyeglass frames for various purposes. Attaching procedures of such conventional attachment glasses are though, much inconvenient because, when attachment glasses are needed to be attached or detached, the eyeglass wearer must take off the main glass frame in order to attach or detach the attachment glass frame to or from said main eyeglass frame.

#### Object of the Invention

The primary object of the present invention, in view of such circumstances described above, is to provide a simple attaching and detaching means of attachment glasses to the main frame of eyeglasses by having magnet or magnets on attachment glasses and a metallic part or parts on a front portion of the main eyeglass frame.

#### Brief Description of Drawings

The above described object and features of the present invention related to an eyeglass frame having a front mounting attachment glasses incorporated with magnets will be illustrated in detail with respect to following drawings, and wherein; FIG. 1 is a perspective view of a main eyeglass frame, FIG. 2 is a front elevational view of attachment glasses,

FIG. 3 is a perspective view of the main eyeglass frame attached by the front mounting attachment glasses of FIG. 2,

FIG. 4 is a perspective view of a metallic part, and

FIG. 5 is an elevational side view of the metallic part of FIG. 4.

### Embodiment

The present invention will now be described below in detail, with specific reference to the accompanying drawings which illustrate an embodiment and features of the present invention.

The eyeglass frame in accordance with the present invention comprises a metallic part or parts illustrated in FIGS. 4 and 5 in neighborhood of hinges 4 and 4' located between rims 2 and 2' of the main frame of eyeglasses and its side bars comprising temples, bends and earpieces. Each metallic part 5 forms a U-shape comprising a bolt at a proper position in its back and a flat portion in front. Said metallic part can be attached to the main frame of the eyeglasses next to said hinge 4 or 4' by said bolt and it can be detached when not needed. Attachment glasses 9 illustrated in FIG. 2 comprise a pair of flat magnets 10 and 10' on both ends of rims 12 and 12' compatible with said metallic parts 5 of main eyeglass frame. The present invention features combined application of said main eyeglass frame and said attachment glasses described above.

Front attaching attachment glasses 9 are attached to main eyeglass frame by their magnetic attraction toward metallic parts 5 fixed to main frame 1 by their U-shaped recess 11 and tightened by bolts 7 in back at neighborhoods of hinges 4 and 4' located between rims 2 and 2' of main eyeglass frame 1 and side bars 3 and 3' comprising temples, bends and earpieces.

The present invention provides a very simple means to attach or detach attachment glasses 9 such as sunglasses or brightness- or glare-reducing glasses to and from main frame 1 of eyeglasses whenever needed without forcing an eyeglass wearer to take off the main eyeglass frame. Metallic parts 5 in accordance with the present invention can be detached from rims 2 and 2' of main eyeglass frame 1 by loosening bolts 7 without difficulty.

### Claim

We claim;

Eyeglasses with detachable front attachment glasses comprising U-shaped detachable metallic parts 5 fixed in neighborhood of hinges 4 and 4' located between rims 2 and 2' and side bars 3, 3' comprising temples, bends and earpieces of main eyeglass frame 1 by bolts 7 in back. Said attachment glasses can be magnetically attached to or detached from the front faces of said metallic parts 5 by flat magnets 10 and 10' provided on both ends of rims of said attachment glasses.

#### Notes

1. Brightness- or glare-reducing glasses: It can be tinted gradation glasses.

FIG. 1

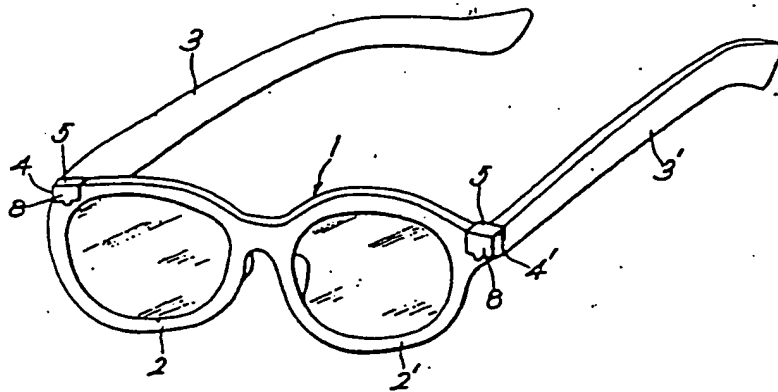


FIG. 2

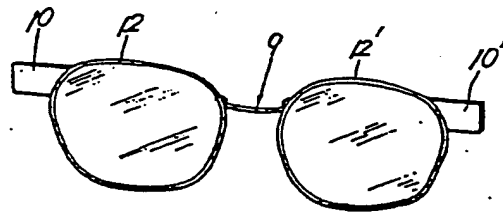


FIG. 3

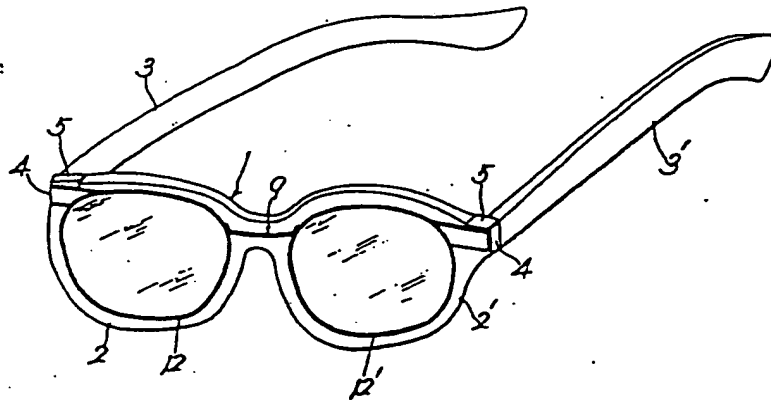


FIG. 4

FIG. 5

